

CLAIMS

- 1 1. A method for dispensing a specific minimum amount of a liquid or pourable sub-
2 stance into a container to fill the container during a filling process, in the course of which
3 the amount of dispensed substance is measured and the filling process is terminated by
4 the closing of a valve as soon as the amount of dispensed substance has reached a final
5 value, said method comprising the steps of
6 dispensing the substance into a first container in a series of several dispensing
7 steps where in a first dispensing step the valve is closed to interrupt the filling process so
8 as to allow the determination of the tailing of the substance that occurs during the closing
9 of the valve, and
10 in a subsequent dispensing step said valve is opened to permit resumption of the
11 filling process, with the final value for terminating the subsequent dispensing step being
12 established by factoring-in a tailing rate of the substance that was determined in a pre-
13 ceding dispensing step in the series during the closing of the valve.
- 1 2. The method as in claim 1, including following the first dispensing step in the se-
2 ries with multiple subsequent dispensing steps, in each of which the respective final value
3 for terminating a subsequent dispensing step is established by factoring-in the tailing rate
4 of the substance determined in at least one of the preceding dispensing steps during the
5 closing of the valve.
- 1 3. The method as in claim 1 or 2, including the step of establishing the final value
2 for terminating a last dispensing step in said series in consideration of the desired mini-
3 mum amount of the substance and by factoring-in the tailing of the substance determined
4 in the penultimate dispensing step during the closing of the valve.
- 1 4. The method as in claim 1 or 2, including the step of establishing the final value
2 for terminating a last dispensing step in said series in consideration of the desired mini-
3 mum amount of the substance and by factoring-in several, and preferably all, of the tail-

4 ings of the substance determined in the preceding dispensing steps during the closing of
5 the valve.

1 5. The method as in claim 4, including the step of establishing the final value for
2 terminating the last dispensing step in said series by averaging, the tailings of the sub-
3 stance determined in the preceding dispensing steps in the series during the closing of the
4 valve are.

1 6. The method as in claim 1 or 2 including the step of, after the first container has
2 been filled, filling another container in one single dispensing step, with the final value for
3 terminating said single dispensing step in filling said additional container being estab-
4 lished in consideration of the desired minimum amount of the substance and by factoring-
5 in a tailing value determined during the filling of the first container.

1 7. The method as in claim 6, including the step of averaging the tailing values de-
2 termined during the filling of the first container thereby establishing the final value for
3 terminating the single dispensing step in filling said additional container.

1 8. The method as in claim 6, including the step of following the filling of the first
2 container with a plurality of additional individual container fillings, in each case with the
3 respective final value for terminating the filling process concerned being established in
4 consideration of the desired minimum amount of the substance and by factoring-in a
5 tailing value determined in a preceding filling process.